



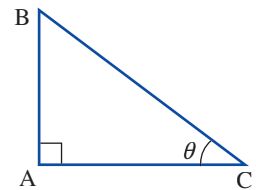
SKILLSHEET 13.1

Labelling sides of a right-angled triangle

In a right-angled triangle the longest side is called the *hypotenuse*. The hypotenuse is always opposite the right angle. The other two sides are named according to their position with respect to a specific angle. The side, which is opposite to the angle, is called *opposite* and the side, which is next to that angle, is called *adjacent*.

WORKED EXAMPLE

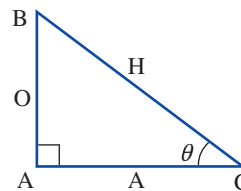
Label the sides of the following right-angled triangle using the letters *H* (for hypotenuse), *O* (for opposite) and *A* (for adjacent) with respect to angle θ .



THINK

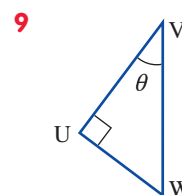
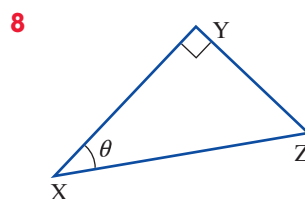
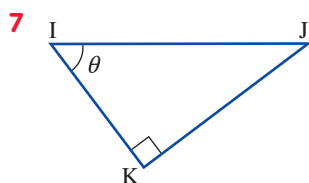
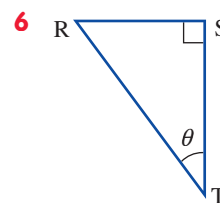
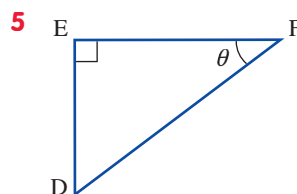
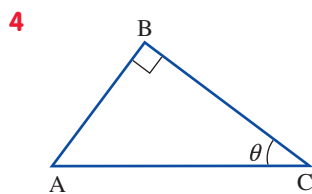
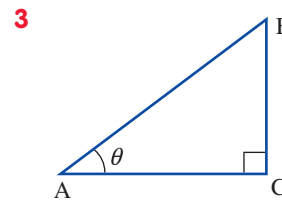
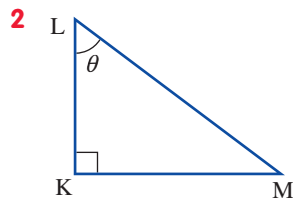
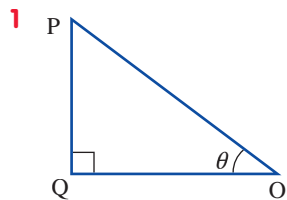
- 1 The side opposite the right angle (side BC) is the hypotenuse. Label it *H*.
- 2 Look at the position of the other two sides with respect to angle θ . Side AB is opposite angle θ , so label it *O*. Side AC is next to angle θ , so label it *A*.

WRITE



Try these

Label the sides of the following right-angled triangles using the letters *H* (for hypotenuse), *O* (for opposite) and *A* (for adjacent) with respect to angle θ .





SKILLSHEET — ANSWERS

SKILLSHEET 13.1

Labelling sides of a right-angled triangle

